

# "Bootcamp" Next Groups Topics Similarities Map (2017)

Node size according to topic count

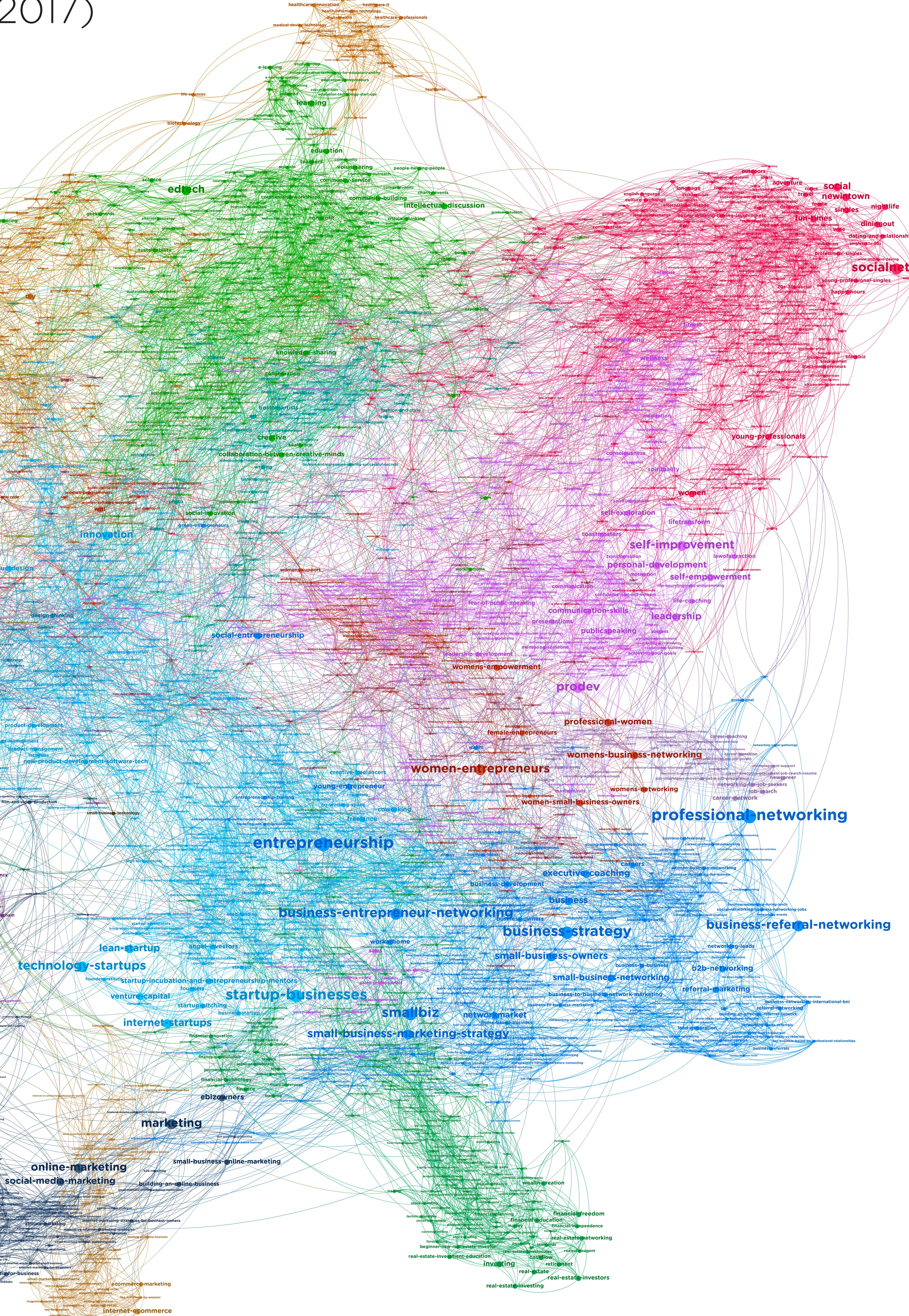
Edge when similarity between node (a) and node (b) > 0.75

Colors from Community Detection Algorithm (22 communities)

All Data from meetup.com

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## Methodology

Get country code list from wikipedia.org  
231 countries

Get cities per country with meetup.com API  
113199 cities

Get groups per cities with meetup.com API  
254905 groups

Get categories and topics information for each group with meetup.com API  
55750 topics  
33 categories

Select 21 "bootcamp" theme starting groups:  
Holberton-School, DBCx-SF-Dev-Bootcamp-San-Francisco-Open-Learning, General-Assembly-Austin, BrainStation, The-Iron-Yard-DC, Dev-Mountain-Salt-Lake-City, London-Code-Dojo, Learn-to-Code-for-Beginners-in-Berlin, Webgrrls-Germany, codingdojo-de, Learn-to-Code-in-Miami, Learning-to-Code-in-Abu-Dhabi, Grand-Circus-Detroit-Coding-Bootcamps, Tokyo-Bootcamps-Meetup, Rubies-in-The-Woods-Die-Coding-Learners-Group-für-Frauen, CodeUp-Salford, Makati-Coders-Meetup, Coding-for-Managers-San-Francisco, Lyon-Beginners-Apprendre-a-un-coder-ensemble, Grupy-Coding-Dojo

Extract the 95 starting topics of the starting groups

front-end-development  
Get 55409 group sharing at least 2 topics with starting topics, one of the two topics being mentioned at least twice by starting groups

computer-programming  
Convert topics names for each group in a sentence and save the sentences as a corpus.

b Statistics description:  
55409 groups  
Topics count range [2, 32]  
Mean Topics count 11.4  
Variance Topics 11.07

ruby  
Create model from corpus with deep learning method word2vec  
programming-languages  
Parameters:  
500 dimensions  
10 min word count  
10 context window size  
0.001 downsampling for frequent words

Extract model vocabulary of 3469 topics.  
Each topic is a node. For each topic, create a link with the 10 most similar topics

Create a topics similarity map. Retain link similarities when score is higher than 0.75  
Node size is according to topic count in corpus. Layout Force Atlas 2